Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/28/2022 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125512	0	1.40	125373	1.40
Blue	F	SSC	125000	126165	0	2.84	126803	2.77
Blue	E	FITC	15860	15391	-3	2.26	376	14.26
Blue	D	PE	27718	27328	-2	1.72	636	10.45
Blue	B	PerCP-Cy5-5	38046	37526	-2	2.99	1028	15.43
Blue	A	PE-Cy7	26092	25672	-2	4.97	501	31.62
Red	C	APC	49104	48621	-1	2.69	1711	11.29
Red	A	APC-Cy7	28201	27764	-2	3.10	729	12.13
Violet	B	V450	9904	9457	-5	3.89	526	12.15
Violet	A	V500	39004	38387	-2	3.58	1003	9.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24205	1.71	567	-2	N/A	N/A	Pass
Blue	F	SSC	56305	1.51	523	-5	N/A	N/A	Pass
Blue	E	FITC	57	59.30	492	1	0.0447	226	Pass
Blue	D	PE	124	37.93	498	2	0.3867	274	Pass
Blue	B	PerCP-Cy5-5	141	45.39	591	2	0.0180	53	Pass
Blue	A	PE-Cy7	62	96.54	633	1	0.0202	0	Pass
Red	C	APC	330	26.26	577	-4	0.0286	160	Pass
Red	A	APC-Cy7	96	41.29	550	-5	0.0064	905	Pass
Violet	B	V450	86	52.23	467	9	0.0545	2484	Pass
Violet	A	V500	125	39.38	479	10	0.0243	2434	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.67	-31.50	0.98
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.45
Red	15.24	13.90 - 20.86	N/A	N/A	29.81	30.05	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9799

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments